



Explanation

Qmk  
Peat

Qta  
Talus

Qal  
Alluvial  
deposits

Qc  
Colluvium

Qf  
Alluvial fan  
deposits

Qoy  
Younger outwash  
deposits

Qe  
Emergent intertidal  
deposits

Qm  
Moraine

Qol  
Late glacial-outwash  
deposits

Qbe  
Older raised beach  
deposits overlying  
glaciomarine deposits,  
3rd phase

Qmu  
Undifferentiated  
glaciomarine deposits

b  
Bedrock

22,230 ft/sec  
Seismic velocity

Forest bed  
May extend throughout  
Mendenhall valley

Contact  
Dashed where inferred,  
dotted where concealed  
by part of diagram

1/  
Test well

2/  
Water well

3/  
Seismic station

U.S. Geological Survey  
OPEN FILE REPORT

This illustration is preliminary and has  
not been edited or reviewed for conformity  
with Geological Survey standards.

1/Unpublished well data from the U.S. Geological Survey, Juneau, Alaska; used here to  
show the depth to forest bed and thickness of younger outwash deposits

2/Barnwell and Boning (1968)

3/Seismic determinations and interpretations by E. E. McGregor and R. A. Farrow, U.S.  
Geological Survey, Denver, Colorado, 1966

Figure 7.--Fence diagram showing interpretation of the depth to, and configuration of, geologic  
units beneath the Mendenhall valley area, based primarily on seismic data. Lines of  
section are shown on the geologic map